

# THE SPLIT-FLUX TRANSFORMER

## (SFT) V2

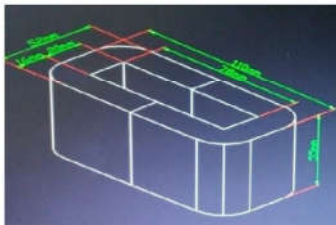
FROM PATENT US 9,620,280 B2

**WARNING : THIS IS AN ATTEMPT OF REPLICATION OF THE ORIGINAL SPLIT-FLUX TRANSFORMER MADE BY WILLIAM ALEK.**

### THE SPLIT-FLUX TRANSFORMER (SFT) V2

REPLICATION OF PATENT US 9,620,280 B2

INVENTOR OF THE SFT : WILLIAM ALEK



#### **SPECS :**

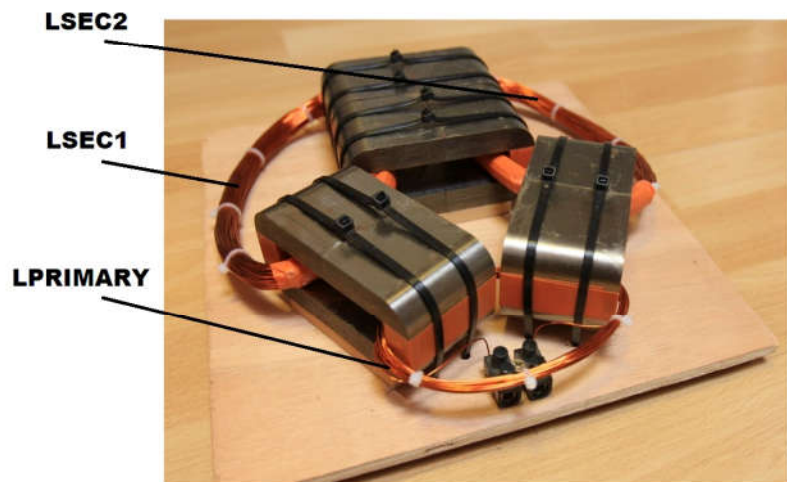
L\_PRIMARY : 3.24 mH  
R\_PRIMARY : 0.6 Ohms  
N\_PRIMARY : 20 Turns

L\_SEC1 : 185.02 mH  
R\_SEC1 : 2 Ohms  
N\_SEC1 : 120 Turns  
WINDED CLOCKWISE

L\_SEC2 : 173.76 mH  
R\_SEC2 : 2 Ohms  
N\_SEC2 : 120 Turns  
WINDED COUNTERCLOCKWISE

C-CORES : 4x POWERLITE METGLAS AMCC-170 ALLOY 2605SA1

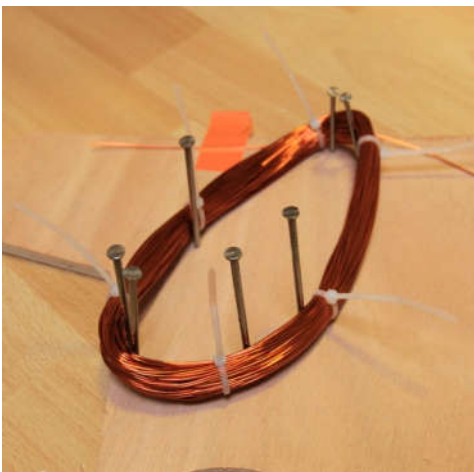
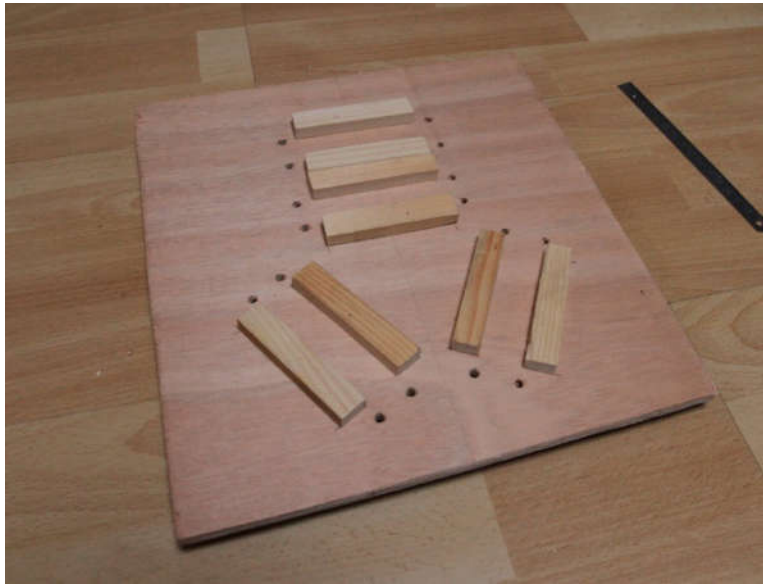
WIRE : AWG 20 (0.8mm)



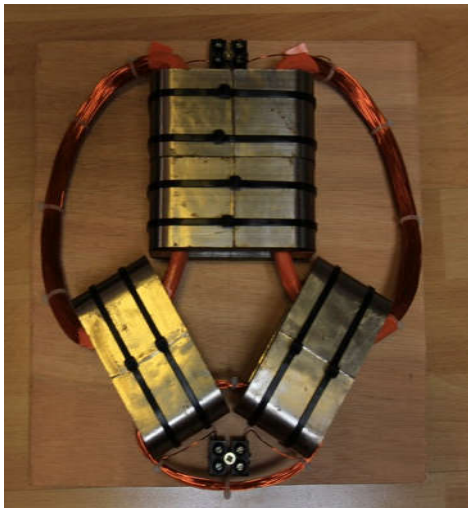
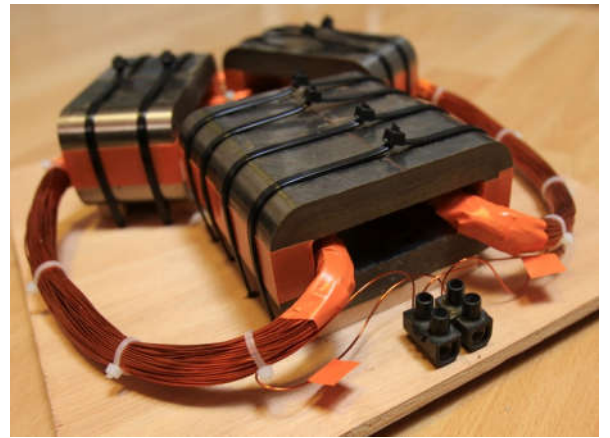
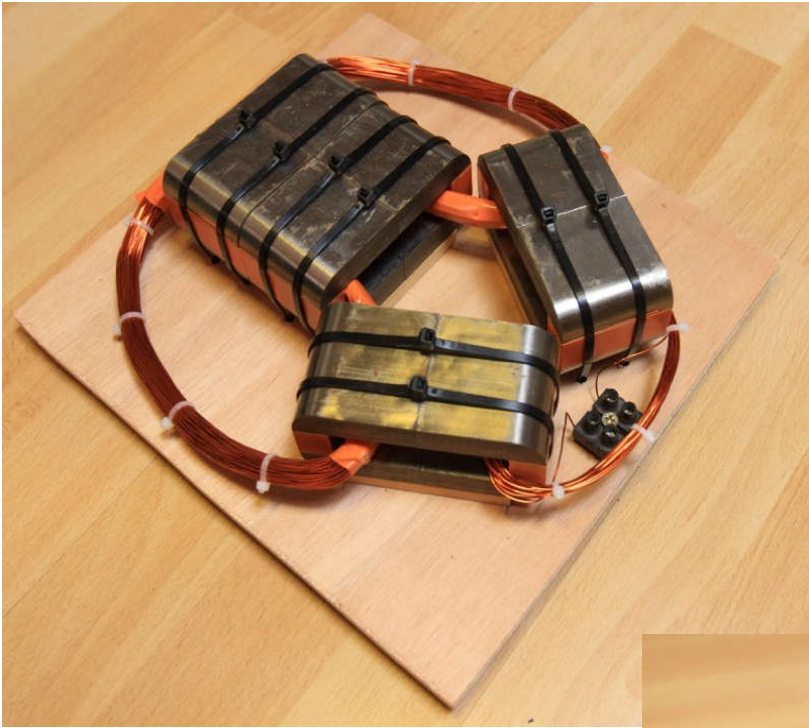
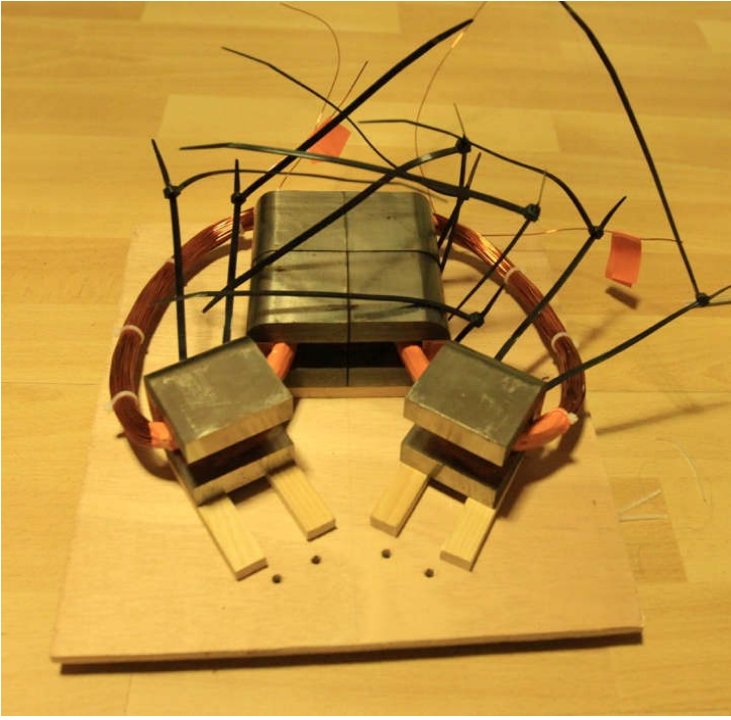
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#### **CONSTRUCTION :**














### Output Transformer Tetra C-Core --- Hitachi Amorphous AMCC 170 for 300B SE OPT


Condition: --  
 Time left: 12d 12h 1/27, 3:22AM  
 Quantity:  4 available / 2 sold

Price: **US \$90.00** [Buy It Now](#)  
[Add to cart](#)  
[Add to watch list](#)

Longtime member


Shipping: **\$30.00** Economy International Shipping | [See details](#)  
See details about international shipping here.  
 Item location: Taipei, Taiwan  
 Ships to: Worldwide

Delivery: 📦 **Estimated between Thu, Feb. 7 and Wed, Mar. 20**  
Please note the delivery estimate is greater than 10 business days.

Payments: 

**PayPal CREDIT**  
Special financing available. [Apply Now](#) | [See terms](#)

Returns: Seller does not accept returns | [See details](#)

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**Seller information**  
**vintage\_audio\_lab** (21547) ★  
 98.5% Positive feedback

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## Hitachi PowerLite Metglas AMCC 170 C-Core --- for High Performance Audio Transformer/Inducer

Metglas is a thin [amorphous metal alloy](#) ribbon produced by using [rapid solidification](#) process of approx: 1,000,000 °C/s. This rapid solidification creates unique [ferromagnetic](#) properties that allows the ribbon to be magnetized and de-magnetized quickly and effectively with very low core losses of approximately 5 mW/kg at 60 Hz and maximum relative [permeability](#) approximately 1000000. This material have amazing glass like physical characteristic, you can use a hammer to shatter it!

In past several years, we use this type of iron core to build our output transformers and top-end chokes. This type of iron core have very high efficiency which keep most music details and transient response. If you have audio transformer project, this materials will be very good choice. You will like it.

1. AMCC 170 dimension, please see photo 6 on this listing.
2. Other physical characteristics were shown on product photos.
3. **One set of on this listing include 4x C-cores and one 4-core bobbin**
4. You can get more information on Hitachi Powerlite. <http://www.hitachimetals.com/product/amorphous/powerliteinductorcores/>
5. One set of this AMCC cores weight **2.7kg** ( 4x C cores)
6. 300B tube on photos is for comparison to iron-core dimension, is not included in product selling.

**POWERLITE® C-Cores** are manufactured with iron based Metglas® amorphous Alloy 2605SA1. Their unique combination of low loss and high saturation flux density provide for size reduction and improvements in energy efficiency making them an ideal solution for automotive inductor applications

